

Department of Energy

§ 431.95

total electric power input, expressed in watt-hours, during the same period.

Single package unit means any central air conditioner or central air-conditioning heat pump in which all the major assemblies are enclosed in one cabinet.

Small commercial package air-conditioning and heating equipment means commercial package air-conditioning and heating equipment that is rated below 135,000 Btu per hour (cooling capacity).

Split system means any central air conditioner or central air conditioning heat pump in which one or more of the major assemblies are separate from the others.

Very large commercial package air-conditioning and heating equipment means commercial package air-conditioning and heating equipment that is rated—

(1) At or above 240,000 Btu per hour; and

(2) Below 760,000 Btu per hour (cooling capacity).

[69 FR 61969, Oct. 21, 2004, as amended at 70 FR 60415, Oct. 18, 2005]

TEST PROCEDURES

§ 431.95 Materials incorporated by reference.

(a) The Department incorporates by reference the following test procedures into subpart F of part 431. The Director of the Federal Register has approved the material listed in paragraph (b) of this section for incorporation by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Any subsequent amendment to this material by the standard-setting organization will not affect the Department test procedures unless and until the Department amends its test procedures. The Department incorporates the material as it exists on the date of the approval and a notice of any change in the material will be published in the FEDERAL REGISTER.

(b) *List of test procedures incorporated by reference.* (1) Air-Conditioning and Refrigeration Institute (ARI) Standard 210/240–2003 published in 2003, “Unitary Air-Conditioning and Air-Source Heat Pump Equipment,” IBR approved for § 431.96.

(2) ARI Standard 340/360–2000 published in 2001, “Commercial and Industrial Unitary Air-Conditioning and Heat Pump Equipment,” IBR approved for § 431.96.

(3) International Organization for Standardization (ISO) International Standard ISO 13256–1 published in 1998, “Water-source heat pumps—Testing and rating for performance—Part 1: Water-to-air and brine-to-air heat pumps,” IBR approved for § 431.96.

(4) ARI Standard 310/380–2004 (CSA–C744–04) published in 2004, “Standard for Packaged Terminal Air-Conditioners and Heat Pumps,” IBR approved for § 431.96.

(c) *Availability of references.*—(1) *Inspection of test procedures.* You may inspect the test procedures incorporated by reference at:

(i) National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(ii) U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Hearings and Dockets, “Test Procedures and Efficiency Standards for Commercial Air Conditioners and Heat Pumps,” Docket No. EE-RM/TP–99–460, 1000 Independence Avenue, SW., Washington, DC 20585.

(2) *Obtaining copies of test procedures.* You may obtain a copy of the ARI standards from the Air-Conditioning and Refrigeration Institute, 4301 North Fairfax Drive, Suite 425, Arlington, VA 22203, <http://www.ari.org/>. You can purchase a copy of the ISO Standard 13256–1 from the International Organization for Standardization, Case Postale 56, CH–1211, Geneva 20, Switzerland. <http://www.iso.ch/> or from the American National Standards Institute, 25 West 43rd Street, New York, New York 10036.

EFFECTIVE DATE NOTE: At 71 FR 71370, Dec. 8, 2006, § 431.95 was amended by revising paragraph (b)(2), effective Jan. 8, 2007. For the convenience of the user, the revised text is set forth as follows:

§ 431.95 Materials incorporated by reference.

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(b) * * *

(2) ARI Standard 340/360–2004, “Performance Rating of Commercial and Industrial Unitary Air-Conditioning and Heat Pump Equipment.”

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§ 431.96 Uniform test method for the measurement of energy efficiency of small and large commercial package air conditioning and heating equipment, packaged terminal air conditioners, and packaged terminal heat pumps.

(a) *Scope.* This section contains test procedures you must follow if, pursu-

ant to EPCA, you are measuring the energy efficiency of any small or large commercial package air-conditioning and heating equipment, packaged terminal air conditioner or packaged terminal heat pump.

(b) *Testing and Calculations.* Determine the energy efficiency of each covered product by conducting the test procedure(s) listed in the rightmost column of Table 1 of this section or the two rightmost columns of Table 2 of this section, that apply to the energy efficiency descriptor for that product, category, and cooling capacity.

TABLE 1 TO § 431.96—TEST PROCEDURES FOR CERTAIN SMALL COMMERCIAL PACKAGE AIR CONDITIONING AND HEATING EQUIPMENT (ALL WATER-SOURCE EQUIPMENT AND OTHER EQUIPMENT LESS THAN 65,000 BTU/H), FOR LARGE COMMERCIAL PACKAGE AIR CONDITIONING AND HEATING EQUIPMENT AND FOR PACKAGED TERMINAL AIR CONDITIONERS AND PACKAGED TERMINAL HEAT PUMPS

Product	Category	Cooling capacity	Energy efficiency descriptor	Use tests, conditions and procedures ¹ in
Small Commercial Packaged Air Conditioning and Heating Equipment	Air Cooled, 3 Phase, AC and HP	<65,000 Btu/h	SEER	ARI Standard 210/240–2003
			HSPF	ARI Standard 210/240–2003
	Water Cooled and Evaporatively Cooled AC	<65,000 Btu/h	EER	ARI Standard 210/240–2003
	Water-Source HP	<135,000 Btu/h	EER	ISO Standard 13256–1 (1998)
			COP	ISO Standard 13256–1 (1998)
Large Commercial Packaged Air Conditioning and Heating Equipment	Air Cooled AC and HP	≥135,000 Btu/h and <240,000 Btu/h.	EER	ARI Standard 340/360–2000
			COP	ARI Standard 340/360–2000
	Water Cooled AC	≥135,000 Btu/h and <240,000 Btu/h.	EER	ARI Standard 340/360–2000
	Evaporatively Cooled AC.	≥135,000 Btu/h and <240,000 Btu/h.	EER	ARI Standard 340/360–2000
Packaged Terminal Air Conditioners and Heat Pumps	AC and HP	All	EER	ARI Standard 310/380–2004
	HP	All	COP	ARI Standard 310/380–2004

¹ Incorporated by reference, see § 431.95.